

Inspection Report with SI&A Data

Structure Description: 53 Foot - Single Span Concrete Frame (except frame culverts)

2 District: 08 **3 County:** McCreary **16 Latitude:** 36°41'44.00" **7 Longitude:** 84°28'48.00"

7 Facility Carried: KY-1651

Milepoint: 3.860

6A Feature Intersected: KY&TENN RR IN STEARNS

9 Location: .1 MI S OF JCT KY 92

NBI	X
Element	X
Fracture Critical	
Underwater	
Special	

NBI CONDITION RATINGS			
58 Deck:	5	61 Channel:	N
59 Superstructure:	6	62 Culvert:	N
60 Substructure:	5	Sufficiency Rating:	30.9

GEOMETRIC DATA		
48 Max Length Span:		49.869 ft
49 Structure Length:		52.999 ft
32 Approach Roadway:		20.997 ft
33 Median:		(0) No Median
34 Skew:		0°
35 Flare:		No Flare
50A Curb/Sidewalk Width L:		0.000 ft
50B Curb/Sidewalk Width R:		0.000 ft
47 Horiz. Clearance:		22.999 ft
51 Width Curb to Curb:		23.950 ft
52 Width Out to Out:		25.591 ft

DESIGN	
Substandard:	No
Fracture Critical:	No FC Details
43A Main Span Material:	(1) Concrete
43B Main Span Design:	(07) Frame
45 Number of Spans Main:	1
44A Approach Span Material:	Not Applicable
44B Approach Span Design:	Not Applicable
46 Number of Approach Spans:	0
107 Deck Type:	(1) Concrete-Cast-in-Place
108A Wearing Surface:	(3) Latex Concrete/Similar
108B Membrane:	(0) None
108C Deck Protection:	(0) None
Overlay Y/N:	Yes
Overlay Type:	Latex
Overlay Thickness:	1.500 in
Overlay Date:	

ADMINISTRATIVE		
27 Year Built:		1936
106 Year Reconstructed:		0
42A Type of Service On:		(1) Highway
42B Type of Service Under:		(2) Railroad
37 Historical Significance:		(5) Not Eligible
21 Maintenance Responsibility:		(01) State Hwy Agency
22 Owner:		(01) State Hwy Agency
101 Parallel Structure:		(N) No II Structure Exists

APPRAISAL	
36A Bridge Railings:	(1) Meets Standards
36B Transitions:	(1) Meets Standards
36C Approach Guardrail:	(1) Meets Standards
36D Approach Guardrail Ends:	(1) Meets Standards
71 Waterway Adequacy:	(N) Not Applicable
72 Approach Alignment:	(8) Equal Desirable Crit
113 Scour Critical:	(N) Not over Waterway
Recommended Scour Critical:	(N) Not over Waterway

CLEARANCES		
10 Vert. Clearance:		99.999 ft
53 Min. Vert. Clearance Over:		99.999 ft
54A Vert. Under Reference:		(R) Railroad beneath struct.
54B Min. Vert. Underclearance:		0.000 ft
55A Lateral Under Reference:		(R) Railroad beneath struct.
55B Min. Lat. Underclearance R:		11.483 ft
56 Min. Lat. Underclearance L:		11.483 ft

LOAD RATINGS	
63 Operating Type:	(1) Load Factor (LF)
64 Operating Rating:	25.0 tons
65 Inventory Type:	(1) Load Factor (LF)
66 Inventory Rating:	15.0 tons
Truck Capacity Type I:	tons
Truck Capacity Type II:	tons
Truck Capacity Type III:	tons
Truck Capacity Type IV:	tons

POSTINGS	
41 Posting Status:	(A) Open, No Restriction
Signs Posted Cardinal:	No
Signs Posted Non-Cardinal:	No
Field Postings Gross:	-1 tons
Field Postings Type I:	-1 tons
Field Postings Type II:	-1 tons
Field Postings Type III:	-1 tons
Field Postings Type IV:	-1 tons

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12: Re Concrete Deck									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
SQ.FT	1,356.27	1,288.45	95%	67.81	5%	0	0%	0	0%
THERE IS MODERATE TO HEAVY CRACKING OF THE DECK OVERLAY PRESENT IN BOTH LANES. DECK IS SCATTERED WITH DIRT AND ROCK.									

510: Wearing Surfaces									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
SQ.FT	1,274.71	1,210.97	95%	63.74	5%	0	0%	0	0%

144: Re Conc Arch									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	53	43	81%	10	19%	0	0%	0	0%
Full length crack both sides arch in headwall, soot , smoke discoloration in soffit with popouts @ drains & midspan with rebar exposed.									

215: Re Conc Abutment									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	48	40	83%	5	10%	3	6%	0	0%
ABUTMENTS ARE DISCOLORED. A-2 HAS A SPALLED AREA W/REBAR SHOWING THRU. BOTH HAVE LIGHT SCALE.									

330: Metal Bridge Railing									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	12	12	100%	0	0%	0	0%	0	0%
THE ONLY STL.G-RAIL IS WHERE THE TRANSITIONS ARE ATTACHED AT EACH APPROACH.									

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515: Steel Protective Coating									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	0.3	0.3	100%	0	0%	0	0%	0	0%

331: Re Conc Bridge Railing									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	106	70	66%	31	29%	5	5%	0	0%
<p>CONC. CHURCH TYPE HAND RAIL IS DISCOLORED AND SCALEY. Several small spalls with rebar exposed, also small spots of impact damage.</p>									

803: Curb									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(LF)	106	66	62%	40	38%	0	0%	0	0%
<p>Curbs are scaled and small popouts & honeycomb.</p>									

853: Utilities									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(EA)	1	0	0%	0	0%	1	100%	0	0%
<p>UTILITY COVERING HAS NUMEROUS DENTS AND DEFORMATIONS, BUT IS FUNCTIONING.</p>									

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857: Embankment Erosion

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(EA)	1	0	0%	1	100%	0	0%	0	0%

Erosion has been stabilized with backfill & rock.

859: Vegetation

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(EA)	1	0	0%	1	100%	0	0%	0	0%

Vegetation needs cut & sprayed.

STRUCTURE NOTES

-81.9

INSPECTION NOTES

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WORK

Action: -1 - Converted Work Candidates

Vegetation needs cut & sprayed.